


Living with a Star

Mission Requirements Workshop

February 9-10, 2000

NASA/Goddard Space Flight Center

Chair - Janet Barth, NASA/GSFC

Cochair - Jim Slavin, NASA/GSFC



Workshop Logistics

- Phone number for messages
 - » 301-286-8701
- Refreshments
 - » Lunch - cafeteria or across street
 - » Breaks - here
- Workshop support
 - » Andrea Marders - LWS Project Support
 - » Jenny Rumburg - LWS Information Manager



What is LWS?

- Dan Goldin's Announcement - 2001 Budget
 - » “With this budget we will take on revolutionary new missions, like Living with a Star ...”
- Morning Presentations
 - » George Withbroe - Theme Scientist, NASA/HQ
 - » Paul Caruso - Project Formulation Manager, NASA/GSFC
 - » Rick Wesenberg - Requirements Definition, NASA/GSFC



Workshop Goals

- Collect information about customer needs for dual-use science
 - » How can NASA help meet needs?
 - » How can we expand partnerships?
 - » Begin LWS Roadmap
- Identify commonalties
- Translate needs into requirements for LWS cost model
 - » Science requirements
 - » Observation requirements
 - » Mission requirements
 - » Data analysis and distribution requirements



Agenda - Wednesday AM

Time	Topic	Presenter	Organization
8:00	Coffee & Registration		
8:30	Welcome, Logistics, Introductions	Janet Barth	NASA/GSFC
8:45	LWS Overview + Questions	George Withbroe	NASA/HQ
9:30	Proposal Schedule	Paul Caruso	NASA/GSFC
9:45	Workshop Goals - User Requirements Definition	Rick Wesenberg	NASA/GSFC
Presentation of Application Requirements			
10:00	Solar-Terrestrial Predictions	Gary Heckman	NOAA
10:15	Magnetosphere - Measurement and Modeling	Bern Blake	Aerospace Corp.
10:30	The Need for Short Lead Time Solar Wind Data	Ron Zwickl	NOAA
10:45	Break		
11:00	Spacecraft Space Weather Effects	Don Brautigam	AFRL
11:15	Aircraft/Spacecraft Radiation Effects	Eugene Normand	Boeing
11:30	Plasma/Charging Effects	Dale Ferguson	NASA/Glenn
11:45	ISS - HEDS	Mike Golightly	NASA/JSC
12:00	ISS- Electronics	Pat O'Neill	NASA/JSC
12:15	Lunch		



Agenda - Wednesday PM

Time	Topic	Presenter	Organization
13:15	Ionosphere - HF Communication	Bob McCoy	ONR
13:30	Ionosphere - Modeling	Dave Anderson	NOAA
13:45	Ionosphere	Ted Beach	ARFL
14:00	Atmospheric Drag	Frank Marcos	AFRL
14:15	Total Electron Content	Paul Straus	Aerospace Corp.
14:30	Space Environment Models	Billy Kauffman	NASA/MSFC
14:45	Technology Requirements	Ken LaBel	NASA/GSFC
15:00	AF Space Weather Architecture - - Telecon	Michael Bonadonna	USAF
15:15	Aircraft Space Weather Effects	Erwin Williams	FAA/ARW-200
15:30	Break		
15:45	Group Discussion	Leaders - Normand and Heckman	



Agenda - Thursday AM

Time	Topic	Presenter	Organization
8:00	Coffee		
8:30	Overview of Group Discussions I	Normand	Boeing
9:00	Overview of Group Discussions II	Heckman	NOAA
Presentations by Mission Scientists			
9:30	Solar Dynamics Observer	Barbara Thompson	NASA/GSFC
10:00	Break		
10:15	Solar Sentinels	Adam Szabo	NASA/GSFC
10:45	Radiation Belt Mappers	Michael Hesse	NASA/GSFC
11:15	Ionosphere Mappers	Robert Pfaff	NASA/GSFC
11:45	Wrap-up	Jim Slavin	NASA/HQ